

Combustion synthesis and consolidation of Ni-W nanocomposite material

Zakaryan, Marieta; **Aydinyan, Sofiya**; Kharatyan, Suren Ceramics in modern technologies 2019 / p. 67-74
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Combustion synthesis and reactive spark plasma sintering of non-equiatomical coal-based high entropy intermetallics

Kuskov, Kirill Vasilevich; Nepapushev, Andrey A.; **Aydinyan, Sofiya**; Shaysultanov, Dmitry G.; Stepanov, Nikita D.; Nazaretyan, Khachik; Kharatyan, Suren; Zakharova, Elena V.; Belov, Dmitry S.; Moskovskikh, Dmitry O. Materials 2023 / art. 1490
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Combustion synthesis of TiC-ZrC composite powder : role of mechanical activation

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DTATG study of NiO Reduction by Mg+C combined reducer

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Fabrication of Cu-Mo composites combining SHS and SLS technologies : poster presentation

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The influence of thermal dilution on the microstructure evolution of some combustion-synthesized refractory ceramic composites

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Joint reduction of NiO + WO₃ oxides by combined Mg/C reducer. Synergetic effect

Zakaryan, Marieta; Nazaretyan, K.; **Aydinyan, Sofiya**; Kharatyan, Suren XV International Symposium on Self-Propagating High Temperature Synthesis, September 16-20, 2019 / p. 546-548 : ill http://www.ism.ac.ru/events/SHS2019/doc/abstract_shs2019.pdf

Joint reduction of NiO/WO₃ pair and NiWO₄ by Mg + C combined reducer at high heating rates

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Kinetic highlights of the reduction of silver tungstate by Mg + C combined reducer

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Magnesium-carbothermal reduction of CuWO₄/MeO nanostructured precursors & synthesis of W/Cu composite materials

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The mechanism of joint reduction of MoO₃ and CuO by combined Mg/C reducer at high heating rates

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Mo-Cu pseudoalloys by combustion synthesis and spark plasma sintering

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Nanosize molybdenum carbide preparation by sol-gel combustion synthesis with subsequent fast heating

Kirakosyan, Hasmik; Nazaretyan, Khachatur; Kirakosyan, Khachatur; Tumanyan, M.E.; **Aydinyan, Sofiya**; Kharatyan, Suren Chemical Journal of Armenia 2017 / p. 11-19 : ill <http://chemistry.asj-oa.am/id/eprint/7782>

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Nanostructural evolution in mesoporous networks using in situ high-speed temperature scanner

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A new synthesis pathway for molybdenum carbide nanopowder by solution combustion

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Reduction mechanism of WO₃ + CuO mixture by combined Mg/C reducer : non-isothermal conditions - high heating rates

Aydinyan, Sofiya; Nazaretyan, Khachatur; Zargaryan, A.G.; Tumanyan, M.E.; Kharatyan, Suren Journal of thermal analysis and calorimetry 2018 / p. 261–269 : ill <https://doi.org/10.1007/s10973-018-6985-5> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Selective Laser Melting Of Combustion Synthesized 2Mo-Cu and 3Cu-Mo Composites

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SHS-derived powders by reactions' coupling as primary products for subsequent consolidation

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SHS-derived powders obtained by coupled reactions and thermal dilution for subsequent consolidation

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Solution combustion synthesis and spark plasma sintering of magnetic high entropy materials

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Solution combustion synthesis of MnFeCoNiCu and (MnFeCoNiCu)₃O₄ high entropy materials and sintering thereof

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Study of reduction mechanism of WO₃+CuO mixture by combined Mg/C reducer - influence of high heating rate

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Synthesis and consolidation of Mo-Cu composite nanopowder [Online resource]

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Synthesis of Ni–W nanopowders from oxide and salt precursors in combustion mode by using thermo-kinetic coupling approach [Online resource]

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The mechanism of WO₃(MoO₃) & CuO coreduction by combined Mg/c reducer at non isothermal conditions

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